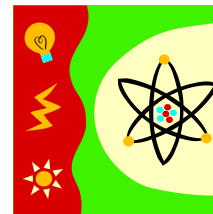




Cardinal Leger Secondary School

Science Department



Course Name:	Science, Grade 9	Ministry Guidelines:	Science, 2008
Course Code:	SNC1P1	Replacement Cost:	\$100.00
Level:	Applied	Number:	
Textbook:	Nelson, Science Connections 9		

Course Overview:

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics; to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to in the scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

Curriculum Strands and Overall Expectations:

Scientific Investigation Skills and Career Exploration

- demonstrate scientific investigation skills (related to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analysing and interpreting, and communicating);
- identify and describe careers related to the fields of science under study, and identify scientists, including Canadians, who have made contributions to those fields.

Biology: Sustainable Ecosystems and Human Activity

- analyse the impact of human activity on terrestrial or aquatic ecosystems, and assess the effectiveness of selected initiatives related to environmental sustainability;
- investigate some factors related to human activity that affect terrestrial or aquatic ecosystems, and describe the consequences that these factors have for the sustainability of these ecosystems;
- demonstrate an understanding of characteristics of terrestrial and aquatic ecosystems, the interdependence within and between ecosystems, and the impact humans have on the sustainability of these ecosystems.

Chemistry: Exploring Matter

- analyse how properties of common elements and/or simple compounds affect their use, and assess the social and environmental impact associated with their production or use;
- investigate, through inquiry, physical and chemical properties of common elements and simple compounds;
- demonstrate an understanding of the properties of common elements and simple compounds, and general features of the organization of the periodic table.

Earth and Space: Space Exploration

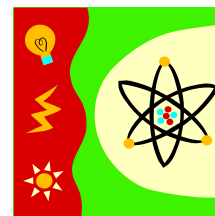
- analyse the major challenges and benefits of space exploration, and assess the contributions of Canadians to space exploration;
- investigate the properties of different types of celestial objects in the solar system and the universe;
- demonstrate an understanding of major astronomical phenomena and of the principal components of the solar system and the universe.

Physics: Electrical Applications

- assess the major social, economic, and environmental costs and benefits of using electrical energy, distinguishing between renewable and non-renewable sources, and propose a plan of action to reduce energy costs;
- investigate, through inquiry, the properties of static and current electricity and the cost of the consumption of electrical energy;
- demonstrate an understanding of the concepts and principles of static and current electricity.



Cardinal Leger Secondary School Science Department



Evaluation:

Term Work	70%
Knowledge and Understanding	25%
Thinking	35%
Communication	15%
Application	25%
Final Assessment	30%
Formal Examination	15%
Culminating Task	15%
Course Total	100%

Learning Skills/ Work Habits

E= Excellent G=Good S=Satisfactory N= Needs Improvement

Responsibility	<ul style="list-style-type: none"> Fulfills responsibility and commitments Takes responsibility for and manages own behavior
Organization	<ul style="list-style-type: none"> Devises and follows a plan and process for completing tasks Establishes priorities and manages time
Independent Work	<ul style="list-style-type: none"> Independently monitors, assesses, and revises plans to complete tasks and meet goals Uses class time to complete tasks
Collaboration	<ul style="list-style-type: none"> Accepts various roles and an equitable share of work in a group Builds healthy peer-to-peer relationships
Initiative	<ul style="list-style-type: none"> Looks for and acts on new ideas and opportunities Approaches new tasks with a positive attitude
Self-Regulation	<ul style="list-style-type: none"> Sets own goals and monitors progress towards achieving them Seeks clarification or assistance when needed

Missed/Late/Incomplete Assignments

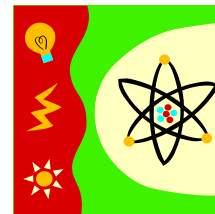
It is the student's responsibility to address missed, late, or incomplete assignments. Students are expected to complete assignments and to adhere to assignment deadlines as follows:

Due Date	10% Penalty Zone	Closure Date
A due date is set by the teacher.	1 school day late --- 3% 2 school days late -- 6% 3 school days late - 10% Maximum penalty of 10%	Once the closure date has passed, work is considered incomplete and a mark of zero applies.

Parent Signature: _____ Student Signature: _____



Cardinal Leger Secondary School Science Department



Tests and Quizzes

You will be given at least one (1) week advanced notice for all written tests. YOU ARE responsible to notify your teacher of any planned absences e.g. medical appointment, school field trip. Non-planned absences must be supported by a medical note (not walk-in clinic). Make up tests will be permitted ONLY with legitimate absences and will be written upon the FIRST DAY of returning. Unexplained absences on test days will result in a mark of 0% and parent and/or office notification.

All quizzes will be given at the beginning of class. If you arrive late, you will not be allowed extra time to write the quiz and a possible mark of ZERO may be given.

Labs and Assignments

If you miss a lab, a mark of zero may be assigned for two components: (1) Performing and Recording; and (2) Communicating. You must obtain the descriptive observations only from your teacher and complete the remainder two components (1) Initiating and Planning; and (2) Analyzing and Interpreting. The completed lab report will be due as assigned on the lab day (usually two school days after the lab).

All assignments will be collected within the first 5 minutes of class on the due date. School late policy will be enforced. **No assignment will be accepted 3 school days after the due date.**

Classroom Procedure

- Attendance - Regular attendance is important to successfully complete the course. School policy will be enforced. You are responsible for notes, assignments which you may have missed. Make sure you have a reliable 'study buddy' that you may share classroom notes to catch up on absent days. Collected handouts will be given to you the following day by your teacher.
- Punctuality - School policy on late arrivals will be enforced.
- Uniform - School policy with regards to uniform will be enforced. Please leave jackets in your locker.
- Leaving the Classroom - With your teacher's permission, one student at one time may be permitted to leave during seat work ONLY, with a MAXIMUM time of 4 minutes EACH visit. Failure to follow these guidelines will result in a LOSS of washroom privileges. No student will be allowed to leave if he/she is late class that day.
- Vandalism - You are responsible for any damage done to your seating area, textbook or lab equipment.
- Classroom Behaviour - Always have courtesy and RESPECT for all members of the classroom.



Notebook Organization

This is an important part of doing well in the course. Your book must be organized as follows:

- Title page Course outline and content pages
- Section 1 Chemistry
- Section 2 Physics
- Section 3 Biology
- Section 4 Earth and Space Science

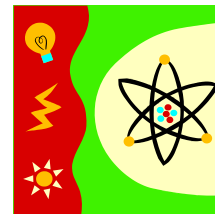
You will be given a Notebook Rubric for each unit, as it will be marked on the same day as your unit test.

Tutorials

If you are having difficulty with a particular topic, I will be available before and after school begins; however, you must see me so that we can arrange an appointment that will be suitable for both of us.



Cardinal Leger Secondary School Science Department



Attendance (pages _____ in the Student Agenda)

1. Absences

When you are absent:

- bring a note from home signed by your parent/guardian
- sign in at the attendance office before 8:15 a.m.
- show your admit slip to each of your teachers

NOTE: your absence is considered a **SKIP** until you provide the attendance secretary with a note

2. Lates

Students are considered late for class if they are not in the classroom, prepared to work, when the bell rings.

- 1st Teacher warning
- 2nd Teacher assigns a consequence
- 3rd Teacher contacts parent or guardian and assigns a consequence
- 4th VP referral and consequence
- 5th VP contact with parent/guardian and student sent home
- 6th Two day suspension and VP conference with parent or guardian

3. Skips

Absences are considered skips if students are away without permission, or, in the case of students is 18 years of age, a reason that is not considered valid by their teacher or Vice-principal.

- 1st Teacher contacts parent/guardian and assigns consequence
- 2nd Student is referred to a VP; parent/guardian is contacted and a consequence is assigned
- 3rd Parent/guardian is contacted and student is sent home for one day
- 4th Parent/guardian is contacted and student is suspended for 3 days

Uniform Policy (pages _____ in the Student Agenda)

When you are out of uniform go to the main office and explain your situation. You may be asked to go home and get changed and/or serve a detention or spend the day in the office.

Academic Dishonesty

"Cheating is an act of academic dishonesty and comes in many forms such as, but not limited to communication in any form, copying from others, and using unauthorized sources, notes, aids or electronic equipment."

Plagiarism, an example of cheating, is the act of claiming another's words, ideas, work as one's own such as, but not limited to, copying another student's work, copying and pasting text from electronic resources without citing and identifying it as a quotation, falsifying a citation, quoting a source without citation, paraphrasing without citing the source. During project development, you may use code that has been published on a web site, copying and pasting graphics without citing the source, etc. Appropriate consequence will be assigned.

Personal Electronic Devices (pages _____ in the Student Agenda)

PEDs (personal electronic devices) such as pagers, cell phones, mp3s, pdas, digital cameras, etc. are not permitted in school. If you bring your PED to class it will be confiscated and handed in to the office. You will be able to pick it up from your vice-principal.

Cardinal Leger Web Site

Visit the Cardinal Leger school web site for more information on the our school policies, procedures, programs, up-coming events and links to resources and the Dufferin-Peel Catholic District School Board main page.

<http://www.dpcdsb.org/LEGER/Academics/>

Parent Signature: _____ Student Signature: _____